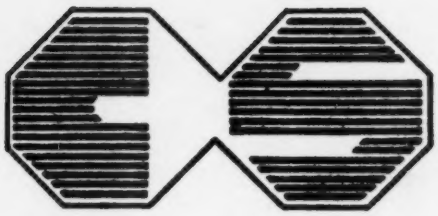

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(*b*) **electronic** (visible, ultra-violet, absorption and emission)

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(*c*) photoelectron

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(*d*) electron spin resonance

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(*e*) nuclear magnetic resonance, quadrupole resonance

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(*f*) neutron scattering

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(*g*) ion cyclotron resonance, mass spectrometry etc.

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THE THIRD ANNUAL GENERAL MEETING OF THE FARADAY DIVISION of the Chemical Society was held at 9.00 a.m., on 11th September 1974, in the Physical Chemistry Lecture Theatre, The University of Cambridge, with Professor T. M. Sugden, M.A., Sc.D., F.R.S., in the Chair.

1 *Minutes*

The Minutes of the Second Annual General Meeting of the Faraday Division, which had been circulated previously, were taken as read and confirmed.

2 *Election of Council*

The Members of Council of the Faraday Division of The Chemical Society elected to take office from 9 April 1975 were as follows:

President

Prof. T. M. Sugden, M.A., Sc.D., F.R.S.

Vice-Presidents who have held the office of President

Sir Frederick Dainton, MA., ScD., F.R.S.
Prof. C. E. H. Bawn, C.B.E., Ph.D., F.R.S.
Prof. G. Gee, C.B.E., M.Sc., Sc.D., F.R.S.
Prof. J. W. Linnett, M.A., D.Phil., F.R.S.
Prof. Sir George Porter M.A., Sc.D., F.R.I.C., F.R.S.

Vice-Presidents

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Dr. H. A. Skinner, B.A., B.Sc., D.Phil.
Prof. F. C. Tompkins, D.Sc., F.R.I.C., F.R.S.

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Prof. F. C. Tompkins, D.Sc., F.R.I.C., F.R.S.

The President thanked Professor Allen and Professor Caldin, the retiring members of Council, for their services.

3 *Annual Report*

During 1973 the Faraday Division was very active both in continuing the traditional Faraday Discussions and Symposia and also representing physical chemistry and chemical physics interests in the activities of The Chemical Society as a whole. Two General Discussions were held, " Molecular Beam Scattering " at University College, London and " Intermediates in Electrochemical Reactions " at Oxford; the proceedings being published as Faraday Discussions of The Chemical Society Nos. 55 and 56. Two Symposia were also held during the year; the first, " Fogs and Smokes ", which formed part of the Annual Congress of The Chemical Society at Swansea, and the second, " High Temperature Studies in Chemistry " at the Royal Institution, London: both will appear in print as Symposia Nos. 7 and 8 respectively. In addition, two informal discussions took place, one on " Physical Methods of Studying Surface Adsorbed Molecules " arranged in

association with the Surface Reactivity and Catalysis Group during the Autumn Meeting of The Chemical Society at the University of East Anglia and the other on " The Role of Surface Charge in Reactions at Interfaces " at University College, Cork.

The seven subject groups affiliated to the Division continued to make a valuable contribution by arranging a programme of group discussion meetings during the year.

The 1973 Bourke Lecturer was Professor B. Baranowski (Polish Academy of Sciences, Warsaw) who delivered the following lectures; " Physical Chemistry in the High Pressure Region ", "Metal Hydrogen Systems in the Region of High Pressure of Gaseous Hydrogen " and "Irreversible Thermodynamics in Physical Chemistry". During the year three half day symposia arranged round an endowed lecture of The Chemical Society were allocated to the Faraday Division and incorporated the Centenary Lecture by Professor J. P. Toennies on " Measurements of Differential Inelastic Scattering Cross Sections ", the Liversidge Lecture by Professor R. P. Bell on " Recent Developments in the Study of Kinetic Hydrogen Isotope Effects " and the Tilden Lecture by Professor J. M. Thomas on " Role of Linear and Planar Defects in Solid State Chemistry ".

The Marlow Medal for 1973 was awarded to Professor K. F. Freed of the University of Chicago for theoretical contributions on molecular structure and the problem of electron correlation.

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